(b) an upper comfort layer located directly beneath the foot, said upper comfort layer having elastic shock-absorption properties and being assembled on said upper of said shoe; and

(c) an intermediate layer of said sole, arranged directly between an upper part of said ground contact layer, by one of its faces, and the lower part of said comfort layer by its other face, having controlled torsional and flectional rigidity, and providing both for the distribution of shockwaves and stresses sensed by said ground contact layer and for their diffusion over said comfort layer before coming in contact with the foot, said intermediate layer including a series of transverse ribs arranged in alternating fashion and extending across an axis of torsion of the sole, said intermediate layer extending over substantially an entire surface of said ground contact layer which is located directly beneath a foot of a person wearing the sport shoe, said intermediate layer being absent in areas between said ribs, said intermediate layer constituting a framework for the ground contact layer preventing deformation of the ground contact layer and thereby permitting it to be made of softer, more adherent rubber.

31. In a sport shoe comprising an upper, a sole made from a laminated profile comprising several layers performing distinct functions, respectively, said sole being surmounted by said upper, wherein said sole comprises at least three layers external to said upper, namely:

(a) a ground contact layer with determinate properties of flexibility, gripping and abrasion-resistance which provide good foot extension, good ground traction and a high level of wear resistance;

(b) an upper comfort layer located directly beneath the foot, said upper comfort layer having elastic shock-absorption properties and being assembled on said upper of said shoe; and

(c) an intermediate layer of said sole, arranged directly between an upper part of said ground contact layer, by one of its faces, and the lower part of said comfort layer by its other face, having controlled torsional and flectional rigidity, and providing both for the distribution of shockwaves and stresses sensed by said ground contact layer and for their diffusion over said comfort layer before coming in contact with the foot, said intermediate layer including a series of transverse ribs arranged in alternating fashion and extending across an axis of torsion of the sole, said intermediate layer extending over substantially an entire surface of said ground contact layer which is located directly beneath a foot of a person wearing the sport shoe, and constituting a framework for the ground contact layer preventing deformation of the ground contact layer and thereby permitting it to be made of softer, more adherent rubber.

REMARKS

Favorable reconsideration of the present application is respectfully requested.

The patentability of Claims 1-27 has been confirmed.

New Claims 30 and 31 have been introduced. Claim 31 is based on Claim 28, except that it further recites "substantially an entire surface of said ground contact layer which is located directly beneath a foot of a person wearing the sport shoe" as "including a series of transverse ribs arranged in alternating fashion and extending across an axis of torsion of the sole." Basis for this can be found in Figures 7-8, and in the description of the rigid inserts found at lines 19-27 of column 5. Claim 30 is identical to Claim 31 but further recites "said